

Fig. 1

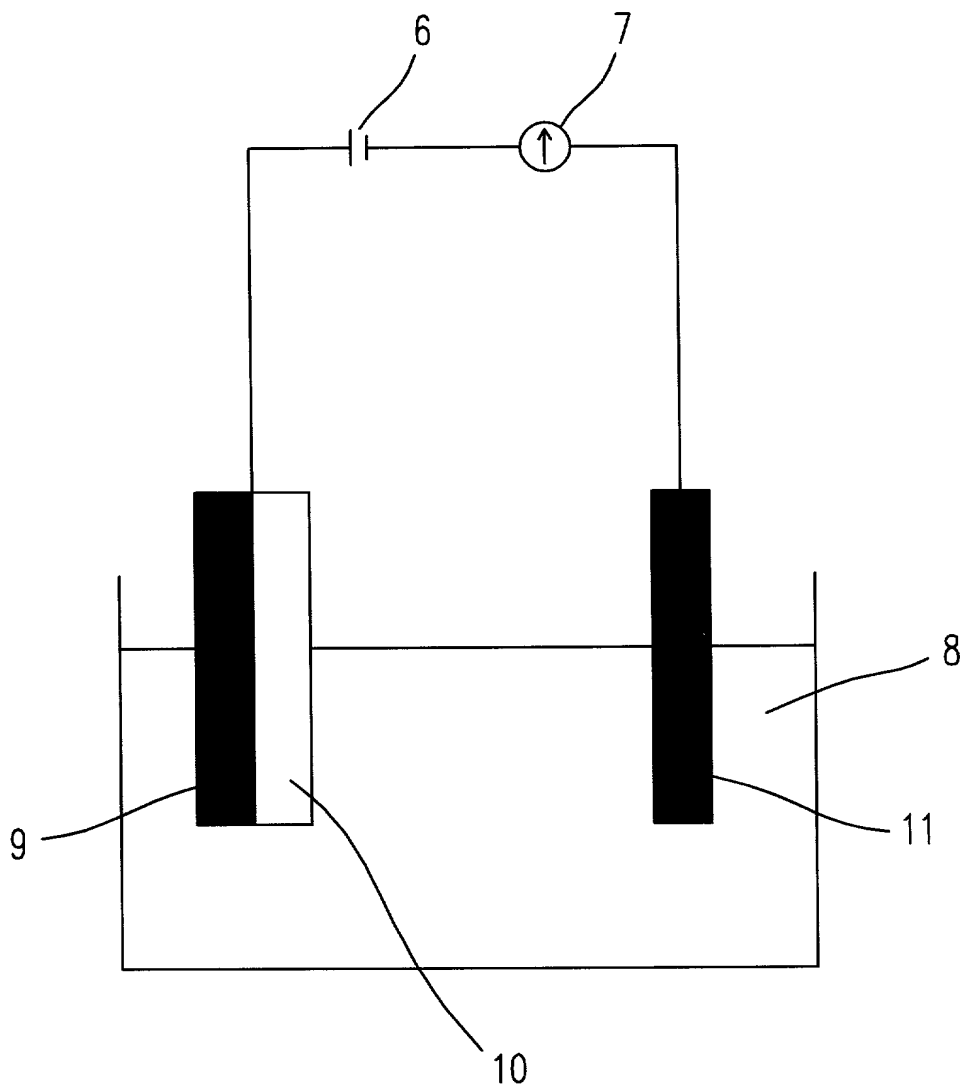


Fig. 2

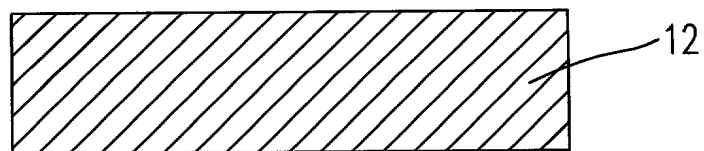


Fig. 3(a)

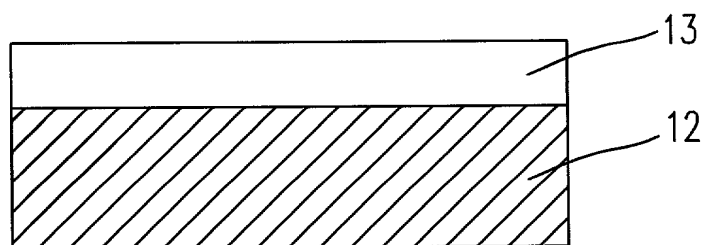


Fig. 3(b)

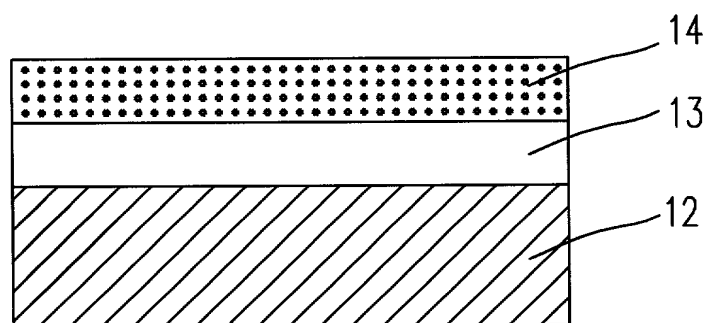


Fig. 3(c)

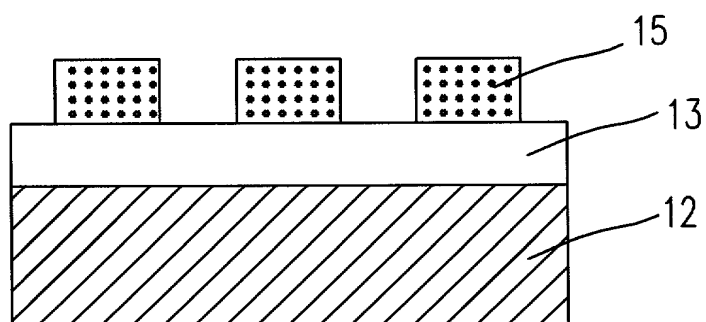


Fig. 3(d)

A cross-sectional view of a substrate 12 with a grid of openings 15. The openings are filled with a material 17. A top layer 19 is formed on the openings and the substrate surface.

A cross-sectional view of a substrate 12, indicated by a diagonal hatching pattern. A thin layer 18 is disposed on the top surface of the substrate 12. The layer 18 features a series of small, rounded protrusions or bumps along its top edge, while the rest of the layer is flat and adheres to the substrate.

Fig. 3(g)

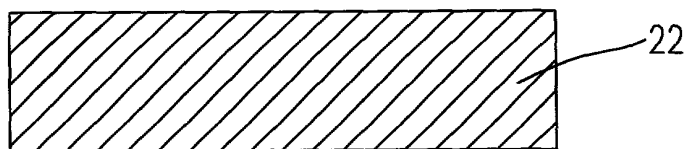


Fig. 4(a)

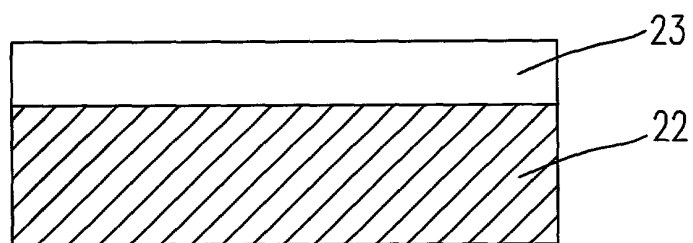


Fig. 4(b)

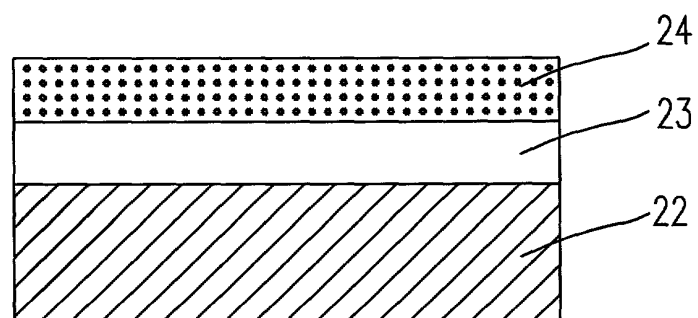


Fig. 4(c)

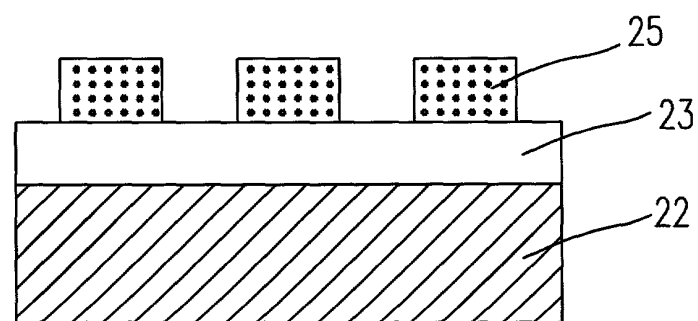


Fig. 4(d)

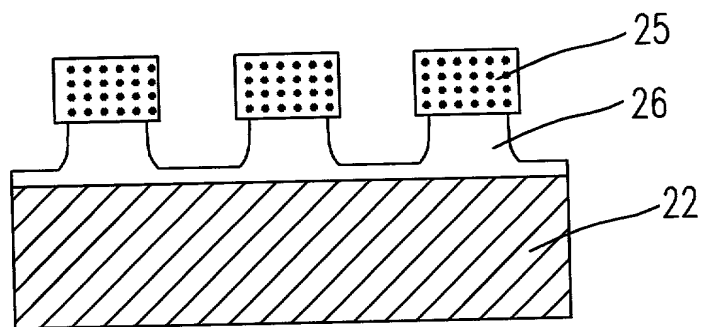


Fig. 4(e)

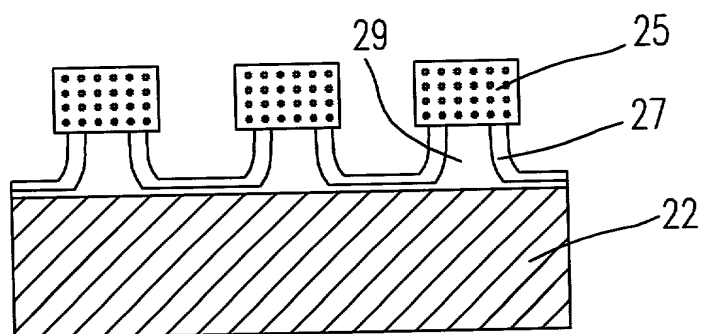


Fig. 4(f)

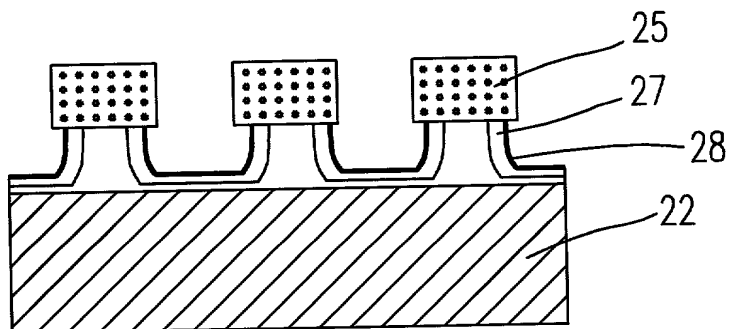


Fig. 4(g)

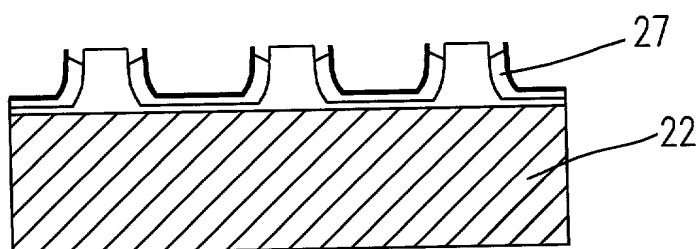


Fig. 4(h)